

ZAPOL'SKIY, K. K.

ZAPOL'SKIY, K. K. -- "Apparatus and Methods of Investigation of the Physical Characteristics of Seismic Waves in Real Mediums." Sub 12 Jun 52, Geophysics Inst, Acad Sci USSR. (Dissertation for the Degree of Candidate in Physicomathematical Sciences).

SO: Vechernaya Moskva January-December 1952

ZAPOL'SKIY, K. K.

USSR/Geophysics- Diss exstions

Jan/Feb 53

"Four Candidates' Dissertations, Defended at Sessions of the Scientific Council of the Geophysics Institute, Academy of Sciences, USSR, in 1952"

"Iz Ak Nauk SSSR, Ser Geofis" No 1, p 96

N. A. Vvedenskaya defended "Investigation of Deep Earthquakes in Central Asia" before Dr Phys-Math Sci V. F. Bondchikovskiy, and Cand Phys-Math Sci Ye. A. Koridalin on 11 Jun 52. K. K. Zapol'skiy defended "Apparatus and Procedure for Studying Physical Peculiarities of Seismic Waves in Real Mediums" Before Dr Phys-Math Sci Ye. F. Savarsk Cand Phys-Math Sci A. M. Epifan'yeva, and Cand Phys-Math Sci Ye. V. Karus on 18 Jun 52. D. N. Ivakin defended "Modeling of Micro-and Macrostructure of Waves in Non-homogeneous Media" before Dr Phys-Math Sci V.F. Bondchikovskiy , and Cand Phys-Math Sci V. I. Keylis-Borok on 31 Dec 52. M. L. Chelishvili defended "Magnetic Field of Models of Geological Structures" before Dr. Phys-Math Sci A. G. Kalashnikov, and Cand Phys-Math Sci G. N. Petrova on 28 May 52.

PA 241841

ZAPOL'SKIY, K. K.

USSR/Geophysics - Seismology

FD-1730

Card 1/1 Pub 45-2/18

Author : Zapol'skiy, K. K.

Title : Dynamic hodographs of seismic waves

Periodical : Izv. AN SSSR, Ser. geofiz. 198-206, May-Jun 1955

Abstract : The author describes a method for constructing dynamic hodographs which are a combination of kinematic hodographs and amplitudinal curves. He presents illustrations of the application of the dynamic hodographs in the correlation of waves and in the study of their characteristics of propagation. Examples are given of dynamic hodographs of main (head) and surface waves, constructed in connection with an investigation of small depths by means of shocks. Eleven references, USSR; e.g. G. A. Gamburtsev, "Correlational methods of studying earthquakes," DAN SSSR, 92, No 2, 1953.

Institution: Geophysical Institute, Academy of Sciences USSR

Submitted : May 4, 1954

ZAPOL'SKII, K.K.

SEISMOLOGY

AUTHORS: Zapol'skii, K. K., Gal'tserin, E. I., and Borisenich, E. G.

TITLE: Mobile Low-Frequency Seismic Station

PERIODICAL: Trudy Geofizicheskogo Instituta, Akademii Nauk SSSR, 1955,
No. 29(156), pp 3-10

AVAILABLE: Original W/F Safe

February 24, 1956

NF/GH/KA

EE fsl

S/169/61/000/010/009/053
D228/D304

AUTHORS: Bune, V. I., Gzovskiy, M. V., Zapol'skiy, K. K.,
Keylis-Borok, V. I., Krestnikov, V. N., Malinovskaya,
L. N., Nersesov, I. L., Pavlova, G. I., Rautian, T. G.,
Reysner, G. I., Riznichenko, Yu. V., and Khalturin, V. I.

TITLE: Methods of the detailed study of seismicity

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 10, 1961, 12-13,
abstract 10A144 (Tr. In-ta fiz. Zemli AN SSSR, no. 9,
1960, 327 p.)

TEXT: The Tadzhik complex seismologic expedition was organized with
the aim of studying the nature of earthquakes and the conditions of their
genesis. The most seismically-active zones of the USSR (Garmo and Stalina-
bad) were chosen as the work areas. The specific conditions of working
and processing the data demanded the development of special systems of ob-
servation and methods of interpretation. The large amount of recorded

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Methods of the detailed...

seismic phenomena permitted the use of statistical methods for studying their distribution in space and time; these methods, in their turn, provided the basis for introducing the quantitative indices of the seismicity characteristics of the seismically-active areas. The actual seismic observations were closely coordinated with geologic investigations, and this provided the possibility of exposing the tectonic basis of the seismic phenomena. A general review of the work area is given in Chapter 1, and concise data on major earthquakes are cited together with the general position of the expedition stations. A description of the standard main and auxiliary apparatus used at the stations, and also the layout and description of newly developed equipment--including an automatic seismic station with a magnetic memory--is cited in Chapter 2. The methods developed and utilized in the expedition for studying the crust's structure in the area under investigation from the records of nearby earthquakes are described in Chapter 3. Horizontal and vertical hodographs were constructed. The resulting material enabled the crust to be represented as a one-layer mass.

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with a longitudinal-wave velocity of 6.0 - 6.1 km/sec. At the Mohorovicic boundary, the velocity suddenly changes to 8.0 km/sec. and then somewhat decreases, but at a depth of 300 km it subsequently increases to 9.2 km/sec. These data underlay the construction of isochrone charts used to localize the epicenters and to determine the focal depths. The isochrone charts were constructed with an account of the heterogeneity of the work area's geologic structure and the peculiarity of the seismic stations' location. This enabled the precision of hypocenter localization to be substantially increased, reducing it to 1 - 2 km at the center of the work area's topographic map. In Chapter 4, the definition of the concept of seismic energy at the focus is given, and the basic formulas are derived for its calculation. On the basis of experimentally obtained laws for the dying out of energy with distance, nomographs were constructed to determine practically the energy at the focus from the records of nearby earthquakes. Appraisal of the precision of calculation of the energy in relation to different factors shows that it may be determined accurately to the order of its magnitude. In this connection, the value $K = \lg E j.$ ✓

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Methods of the detailed...

is introduced for characterizing the energy class of earthquakes. The value of K is compared with the earthquake magnitude M. The study of the iso-energy lines shows that the different degrees of the dying out of seismic energy along and across the strike of geologic structures exert a decisive influence on the form of the isoseisms. In Chapter 5, the frequencies of seismic vibrations are studied--in relation to the earthquake energy, the distance from the source, the geologic conditions at the point of observation and at the hypocenter, etc.--from recordings at both the customary stations and a special 4MCC (ChISS) seismic-station intended for frequency analysis of seismic waves directly at their place of registration. A detailed description is given for the frequency-selective seismic-station 4MCC-1954 (ChISS-1954) and for the results of the investigation of its recordings. Certain epicentral zones with an anomalous frequency are thereby revealed. The procedure for theoretically calculating the focal characteristics, and also for appraising these latter from empirical data, is given in Chapter 6. Several formulas are

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Methods of the detailed...

cited for determining the size of a focus in relation to its energy on the basis of different physical propositions. The dynamic parameters of the foci are determined; there appear to be definite predominant directions for both the strike and dip of the fracture planes. The characteristics of the seismic conditions of the Garmo and Stalinabad seismically-active regions--both as a whole and in individual areas--are quoted together with the variations in the parameters of the conditions in time. The quantitative expression of the seismicity during constant seismic conditions is determined by the seismic activity. The possibility is shown of constructing graphs of the recurrence of earthquakes from short observations of weak shocks, and methods are given for determining the period required to obtain the parameters of the seismic conditions with a pre-set precision in relation to the energy of the recorded earthquakes. The statistical constancy of the seismic conditions is determined by the so-called measure of dispersion of the frequency of earthquakes. A brief description of the area's stratigraphy and the history of its geologic development is given in Chapter 8. The structural schemes and descriptions of the most important

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Methods of the detailed...

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deep faults are cited. The contemporary structure of the Garmo area is depicted as two main regions: the alpine goosynclinal zone in the south and the activated epi-Hercynian platform in the north. In section, it is drawn as several steps of Paleozoic basement adjoining each other along deep faults. A comparison of the seismicity with the tectonics of the study areas is made in Chapter 9. The construction of maps of isolines of seismic activity and gradients of the rate of tectonic movements is recommended for appraising the connection between the seismicity and the tectonics. Methods are cited for constructing such maps. The congruence between these magnitudes is established for the regions under investigation, and areas with the maximum gradient values correspond to those with the highest values of seismic activity. 272 references. [Abstracter's note: Complete translation.]

Card 6/6

ZAPOLSKIY, K. K.

PLACE 1 BOOK EXPLOITATION		SPN/5334
Academy's book 8200. Institute firm 2000		
Temporary Laboratory established, VTP. 3 (Proceedings in Preparing Seismology', No. 3) Moscow, 1960. 191 p. 1,700 copies printed. (Series: Item: Trade, no. 10 (17))		
NerP. Eds.: S.Y. Matrosov, Doctor of Technical Sciences, and A.M. Katz, Candidate of Technical Sciences; Mathematics, 24 of Publishing House: L.K. Minskaya; Tech. Eds. P.S. Kuznetsov.		
PURPOSE: This book is intended for seismologists, and engineers concerned with the construction of earthquake-resistant buildings.		
CONTENTS: This is a collection of 15 articles by different authors on problems of engineering seismology. Individual articles discuss the effects of quakes on various structures, seismic activity in the Bessarabian, Krasnodar, and Transcaucasian regions, and ground vibrations during strong earthquakes. One article discusses the effect of the detonation of 1,000 tons of explosives on buildings located 1,000 m away. No personalities are mentioned. Each article is accompanied by references.		
NAME OF CONTENTS:		
Bogomolov, Ye. M., I.A. Tsvetkov, V.N. Isidorov, E.M. Korotchenko, P.G. Simonov, A. Nekrasov, V.I. Gulyayev, and A.D. Tikhonov, <i>Seismic Microzonization of the Soviet-Union</i> , Institute of Survey Measurements in the USSR, 1957		
Dolgikh, A.M. Seismic Microzonization of the Bessarabian Zone		
Medvedev, D.V. Accelerations of Ground Vibrations in Strong Earthquakes		
Perovskiy, D.M. Spectral Zone of the Krasnodar-Polyana Earthquakes		
Pins, Egorov, G.M. On Applying the Theory of Probability to Problem of Engineering Seismology		
Tch. Galaktion. Methods of Registering Ground Vibrations in Strong Earthquakes		
Ustin, S.A. Propagation of Vibrations in a One-Dimensional Discrete Medium		
Vasilev, I.V. Some Problems in the Instrumental Determination of Wave Propagation		
Kort, M.O. Evaluating the Engineering Characteristics of Earthquakes by Mathematical Statistics Method		
Korzhikova, O.A. On Determining the Seismic Properties of Substances With a Portable Seismic Station		
Lopatin, S.T. Measuring the Level and the Spectral Composition of Earth-Created Accelerations		
Chen, Tsai-yung. Regarding Seismic Stresses on Structures		
Katz, A.M. On the Nature of Vibrations in Some Rock Mass Structures During Seismic Wave Propagation		
Kort, M.O. Applying Seismometric Data to Computations for Seismic Resistant Structures		
Kort, M.O. and G.A. Lyutikov. On the Seismic Effect of an Explosive in the Potemkin-Ural'yan Region		
APPENDIX: Library of Congress		
Card 1/6		
JUL 2000 6-28-65		

SHELGIN, L.A., inzh.; ZAPOL'SKIY, M.V., inzh.

The UPF-3 experimental peat-harvesting machine. Torf. prom. no.1:
23-26 '58. (MIRA 12:12)

1. Zavod Ivotorfmash.
(Peat machinery)

ZAPOL'SKIY, M.V.

New TE-3 peat excavator. Torf. prom. 38 no.5:37-38 '61.
(MIRA 14:10)

(Excavating machinery)
(Peat machinery)

ZAPOL'SKIY, M.V., inzh.

PMT-1 bucket loader. Torf. prom. 35 no. 6:12-14 '58. (MIRA 11:10)

1.Ivanovskiy zavod torfyanogo mashinostroyeniya Ivanovskogo sovnar-khoza.

(Loading and unloading)

ZAPOL'SKIY, N., kand.tekhn.nauk

Industrial steeling device. Rech. transp. 20 no.11:39-40 N '61.
(MFA 15:1)

(Ships--Maintenance and repair)

16.6500

32481
S/044/61/000/010/050/051
C111/C222AUTHOR: Zapol'skiy, N.N.

TITLE: Graphical methods for the determination of some definite integrals appearing in technical calculations

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1961, 51-52,
abstract 10 V 306. ("Nauchn. zap. Odessk. politekhn. in-t",
1960, 27, 59-68) XTEXT: The author describes the well-known method due to Neyl's for the graphical construction of curves $F(x) = y \cdot x^n$ (n -- positive integer, $y = y(x)$ -- given curve) the planimetering of which is equivalent to the mechanic calculation of the integrals

$$\oint y \cdot x^n dx ,$$

which express the moments of the plane cuts. Furthermore the author proposes analogous methods for the graphical construction of the curves y/x , $y_1 \cdot y_2$, y_2/y_1 . The author considers examples for the application

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Graphical methods for the determination ...C111/C222

of the described methods for the solution of some concrete problems
of technical mechanics.

[Abstracter's note : Complete translation.]

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Card 2/2

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPOL'SKIY, N.N.

Calculation of crane booms. Nauch. zap. Od. politekh. inst. 41:
40-50 '62. (MIRA 17:4)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

ZAPOL'SKII, Nikolay Vasili'yevich, kand.tekhn.nauk; SHELUCHENKO, V.M.,
red.; VOLCHOK, K.H., tekhn.red.

[Wear and reconditioning of parts of internal-combustion marine
engines] Iznos i vosstanovlenie detalei sudovykh dvigatelei
vnutrennego sgoraniia. Leningrad, Leningr. otd., 1960. 13⁴ p.
(MIRA 13:12)

(Marine diesel engines--Maintenance and repair)

ZAPOL'SKIY, N.V., kandidat tekhnicheskikh nauk.

Repairing ships of the "Bel'shaya Volga" and "Krasnoe Sormovo" type by method of standardized parts. Rech. transp. 15 no.2:
14-16 F '56.
(Ships--Maintenance and repair)

ZAPOL'SKIY, Nikolay Vasil'yevich, kand.tekhn.nauk; CHERKEZ, M.B.,
kand.tekhn.nauk, red.; VASIL'YEV, Yu.A., red.izd-va;
GVIRTS, V.L., tekhn.red.

[Reconditioning and hardening parts by iron plating on
automatically controlled equipment] Vosstanovlenie i
uprochnenie detalei ostalivaniem na avtomatizirovannoi
ustanovke. Leningrad, 1961. 29 p. (Leningradskii dom
nauchno-tekhnicheskoi propagandy. Obmen peredovym opyтом.
Seriia: Zashchitnye pokrytiia metallov, no.15).

(MIRA 15:4)

(Iron plating)

1 25667 66 EWT(d)/EWT(m)/EWP(f)/T DJ		UR/
ACC NR:	AM6010191	Monograph
<u>Zapol'skiy, Nikolay Vasil'yevich</u>		58 50 23 Bf/
Wear and the reconditioning of parts of marine internal combustion engines (Iznos i vosstanovleniye detaley sudovykh dvigatelyv vnutrennego sgoraniya) 2d ed., rev. and enl. Moscow, Izd-vo "Transport," 1965. 132 p. illus., biblio. 4000 copies printed.		
TOPIC TAGS: marine engineering, ship component diesel engine, internal combustion engine, wear resistance, metal cladding, metal deposition, metal surfacing, metal vapor deposition, chromium plating, metal plating, electrolyte, electroplating		
PURPOSE AND COVERAGE: This book is intended for marine engineers in the river fleet and for personnel in steam navigation, industry, design bureaus, and planning organizations. It may also be used by students in marine engineering specialties. In this the second edition, causes and types of wear of marine machinery parts are examined. Data on wear rate and information on extreme wear and the between-repairs period of operation of internal-combustion engines are presented. Based on the author's research, basic premises for technological modernization with the aim of improving wear resistance and		
Card 1/4	UDC: 621.431.74:004.67	2

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ACC NR: AM6010191

8

increasing the operating duration between repairs to ship machinery are advanced. The properties of metallic coatings of electrolytic steel, chrome, and other metals are described along with metal spraying and surfacing technology. The author acknowledges the assistance of engineers M. I. Dvorkin, B. K. Sokoloy, A. I. Dem'yanov, Yu. N. Sobolev, A. G. Milling, A. A. Pasurnanskiy, and G. Yu. Vysotskiy of the Leningrad Institute of Water Transportation.

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SUB CODE: 13/ SUBM DATE: 25Aug65/ ORIG REF: 034/

Card 4/4 dda

ZAPOL'SKIY, O.B.

Photooxidation of polystyrene. Vysokom. soed. 7 no.4:615-620
Ap '65. (NIRA 18:6)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina.

ZAPOL'SKIY, O.B.

Photochemical degradation of cellulose in air. Vysokom.sosed. 3
no.3:376-381 Mr '61. (MIRA 14:6)

1. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Cellulose) (Photochemistry)

ACCESSION NR: APSC11246

UR/0190/65/007/004/0615/0420

also studied. Thin films (20μ thick) were irradiated in air by a PEK-II mercury lamp for the experiments. The samples were dried under vacuum at the temperature held below 30-40°C. The diacetyle was dried under vacuum over calcium hydride to avoid polyacetyl sulfide, then recrystallized in vacuum. The IR absorption spectra were taken. The benzyl was recrystallized twice. The spectra of irradiated benzyl and an IR-14 double-bonded vinyl acetate were recorded by ATR once relative to air and once relative to oil.

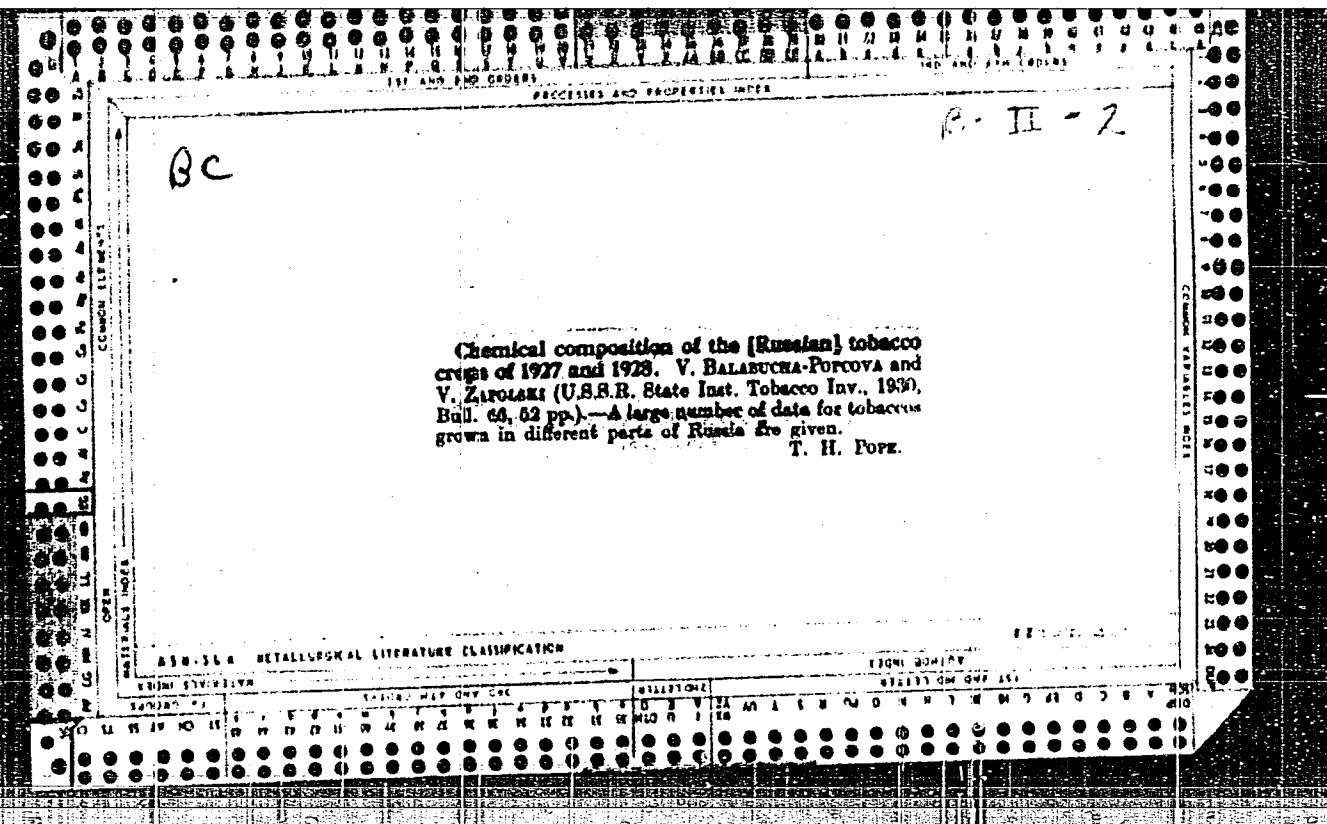
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PHASE I BOOK EXPLOITATION

SOV/5096

Bune, V. I., M. V. Gzowskiy, K. K. Zapol'skiy, V. I. Keylis-Borok,
V. N. Krestnikov, L. N. Matinovskaya, I. L. Nersesov, G. I. Pavlova,
T. G. Rautian, G. I. Reyner, Yu. V. Riznichenko, and V. I. Khalturin

Metody detal'nogo izucheniya seismichnosti (Methods of Detailed Seismic Research)
Moscow, Izd-vo AN SSSR, 1960. 327 p. No. of copies printed not given.
(Series: Akademiya nauk SSSR. Institut fiziki zemli. Trudy, vyp. 9 [176])

Resp. Ed.: Yu. V. Riznichenko, Corresponding Member AS USSR; Ed. of Publishing
House: S. I. Mosarskiy; Tech. Ed.: O. G. Ul'yanova

PURPOSE: This book is intended for geophysicists, particularly seismologists.

COVERAGE: The book summarizes the principal results of the work of the TKSE
Instituta fiziki zemli AN SSSR (Tadzhik Complex Seismological Expedition
of the Institute of Physics of the Earth of the AS USSR) and the Institut
seismologii AN Tadzhikskoy SSR (Institute of Seismology of the AS Tadzhik
SSR) during the period 1955-1957. Among the topics discussed are: seismic
apparatus used, new methods for determining the coordinates of earthquake

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Methods of Detailed Seismic Research

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foci, detailed methods for determining the structure of the earth's crust, some results of these determinations, methods of determining seismic energy on the basis of a series of criteria, analysis of dominant frequencies, the use of frequency-selective apparatus, a general description and analysis of seismic conditions in the Garm and Stalinabad areas, the geological structure of the Garm region and the history of its development, and a comparison of the spatial distribution of seismicity and the geological and tectonic structure of the area. The Foreword mentions Academician G. A. Gamburtsev [deceased] who laid the foundations for this work when he was director of the TKSE. The individual chapters of the book were written by: Introduction and Chapter 1 -- I. L. Nersesov and Yu. V. Riznichenko; Chapter 2 -- I. L. Nersesov; Chapter 3 -- I. L. Nersesov and T. G. Rautian; Chapter 4 -- T. G. Rautian; Chapter 5 -- K. K. Zapol'skiy and V. I. Khalturin; Chapter 6 -- V. I. Keyllis-Borok, L. N. Malinovskaya, G. I. Pavlova, and V. I. Khalturin; Chapter 7 -- V. I. Bune, I. L. Nersesov and Yu. V. Riznichenko; Chapter 8 -- M. V. Gzovskiy, V. N. Krestnikov, Sov. There are 272 references: 185 Soviet, 73 English, and 14 German.

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Methods of Detailed Seismic Research

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ZAPOL'SKIY, O.B.

Effect of ultraviolet radiation on cellulose. Dokl. AN BSSR 8 no.
4:234-236 Ap '64. (MIRA 17:6)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina. Predstavлено
академиком AN BSSR B.I. Stepanovym.

ZAPOL'SKIY, O.B.

Photooxidation of cellulose. Vysokom.soed. 5 no.1:68-70 Ja
'63. (MIRA 16:1)

1. Beloruskiy gosudarstvennyy universitet im. V.I.Lenina.
(Cellulose) (Oxidation) (Ultraviolet rays)

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CIA-RDP86-00513R001963810016-6

ZAPOL'SKIY, V., kand. arkhitektury; SEREDYUK, I., kand. arkhitektury;
SHVETS, Ya., arkhitektor

Built-in cabinets and storage walls for apartments. Zhil.
stroi. no. 281-22 '64.
(MIRA 18:11)

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CIA-RDP86-00513R001963810016-6"

ZAPOL'SKIY, V.G. [Zapol's'kiy, V.H.], kand. arkhit. dots.;
SKUBCHENKO, G.M. [Skubchenko, H.M.J., inzh.-arkht.,
dots.]; BEDELO, O.T. [Biedilo, O.T.], dots., otv. red.;
POLUBICHKO, B.V., red.

[Buildings on automobile roads] Budynky na avtomobil'nykh
dorohakh. L'viv. Vyd-vo L'viv's'koho univ., 1964. 155 p.
(MIRA 18:8)

ZAPOL'SKIY, V.M., inzh.; SHABLIY, N.V., inzh.

Metal detector for highly magnetic ore. Gor.zhur. no⁸ 5:68-70 My
'61. (MIRA 14:6)

1. Mekhanobrchermet, Krivoy Rog.
(Crushing machinery—Safety appliances) (Metal detectors)

S/194/61/000/001/007/038
D216/D304

AUTHOR: Zapol'skiy, V.M.

TITLE: New types of contactless probes and the results of their evaluation

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 1, 1961, 10, abstract 1 V94 (Govnyy zh., no. 2 1960, 70-72)

TEXT: A description is given of contactless probes for the control of material in handling systems and in the technological processes in crushing, enriching and agglomerating plants. The capacitive probe is a 3-terminal electron tube circuit. The probe operates satisfactorily at distances between antenna and raw material of 30-40 cm. An induction probe consists of an inductance bridge and an electronic relay. The inductance coil is placed at a distance 2 - 5 cm under the conveyor belt. A vibration-type probe is used for control of raw material in lumps on feeders and chutes. The probe is operated by the vibrations of the controlled mechanism.

Card 1/2

S/194/61/000/001/007/038
D216/D304

New types of contactless probes...

An accoustical probe works on the principle of transformation of sound energy into an electrical signal. All described probes have been treated at the Dnepropetrovsk Coke and Chemical plant in Kalinin and their production has been undertaken by Dnepropetrovsk Factory of Selenium Rectifiers. 4 figures

Card 2/2

ACC NR: AP6015718

(N)

SOURCE CODE: UR/0413/66/000/009/0147/0147

INVENTOR: Mogilevich, V. I.; Zapoli'skiy, V. M.

ORG: None

TITLE: A marine jib crane. Class 65, No. 181508

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 147

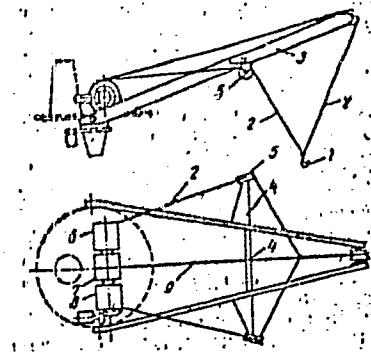
TOPIC TAGS: crane, marine equipment

ABSTRACT: This Author's Certificate introduces a marine jib crane with a hoisting winch and a single-cable load hanger with two directing cables to keep the load from swinging. Design is simplified and operation of the crane is improved by fixing a cross member on the crane arm perpendicular to its axis. Blocks are mounted at the ends of this cross member. The winch is made with three adjacent drums on a single shaft. The load cable passes over the center drum while the directing cables run through the corresponding blocks on the crosspiece and pass over the respective side drums of the hoisting winch.

Card 1/2

UDC: 629.12:621.873.127

ACC NR: AP6015718



1—load hook; 2—directing cables; 3—crane arm; 4—cross member; 5—blocks; 6-8—
winch drums; 9—load cable

SUB CODE: 13/ SUBM DATE: 23Jul64

Card 2/2

AUTHOR: Zapol'skiy, V.M., Mining Engineer SOV-127-58-8-15/27

TITLE: An Automatic Regulator of the Level of the Pulp in Separators
2VK-5 (Avtomatushcheskiy regul'jator urovnya pul'py v separatorakh
2VK-5)

PERIODICAL: Gornyy zhurnal, 1958, Nr 8, pp 65-67 (USSR)

ABSTRACT: The author describes a device which automatically regulates the inflow of water into the vats of the separator 2VK-5, when the level of the pulp falls below the permissible point. This regulator, of relay type, consists of carbon electrode fixed on the edge of the vat so that its lower end indicates the level of the pulp, a solenoid valve and a relay block which controls the valve. When the level of the pulp reaches the lower end of the electrode, the alternating current from the secondary winding of the lowering transformer passes through the chain electrode - to the full-wave selenium rectifier. The rectified current enters the winding of the relay, feeding the valve through which the water flows into the vat, as long as

Card 1/2

SOV-127-58-8-15/27

An Automatic Regulator of the Level of the Pulp in Separators 2VK-5

the level of the pulp does not reach the electrode. When the current reaches the relay, it cuts off the solenoid and the valve closes. There is 1 photo and 1 diagram.

ASSOCIATION: Mekhanobrchermet

1. Ores--Processing--Equipment

Card 2/2

ZAPOL'SKIY, V.P.

SOKOLOV, K.M.; YEVSTAFYEV, S.V.; ROSTOTSKIY, V.K.; STANKOVSKIY, A.P.;
VARENIK, Ye.I.; ONUFRIYEV, I.A.; SVESHNIKOV, I.P.; UKHOV, B.S.;
BAUMAN, V.A.; BARSOV, I.P.; BASHINSKIY, S.V.; BOYKO, A.G.; VALUTSKIY,
I.I.; ZAPOL'SKIY, V.P.; ZOTOV, V.P.; IVANOV, V.A.; KAZARIKOV, V.M.;
LEVI, S.S.; MALOLETKOV, Ye.K.; MERENKOV, A.S.; MIROPOL'SKAYA, N.K.;
OSIPOV, L.G.; PEREL'MAN, L.N.; PETROV, G.D.; PETROV, N.M.; POLYAKOV,
V.I.; VATSSLAVSKAYA, L.Ya.; VAKHRAZETEV, S.A.; VERZHITSKIY, A.M.;
VLAZOV, P.A.; VOL'FSOHN, A.V.; VOSHCHININ, A.I.; DZHUNEDOVSKIY, N.N.;
DOMBROVSKIY, N.G.; YEPIFANOV, S.P.; YEFREMENKO, V.P.; ZELICHENOK, G.G.;
ZIMIN, P.A.; POPOVA, N.T.; ROGOVSKIY, L.V.; RIEBROV, A.S.; SAPRYKIN, V.A.;
SOVALOV, I.G.; SOSHIN, A.V.; STARUKHIN, N.M.; SURENYAN, G.S.; TOLORAYA,
D.F.; TROITSKIY, Kh.L.; TUSHNYAKOV, M.D.; FROLOV, P.T.; TSIRKUNOV, I.P.

Andrei Vladimirovich Konorov; obituary. Mekh. stroi. 16 no.1:32 Ja
'59. (MIRA 12:1)

(Konorov, Andrei Vladimirovich, 1890-1958)

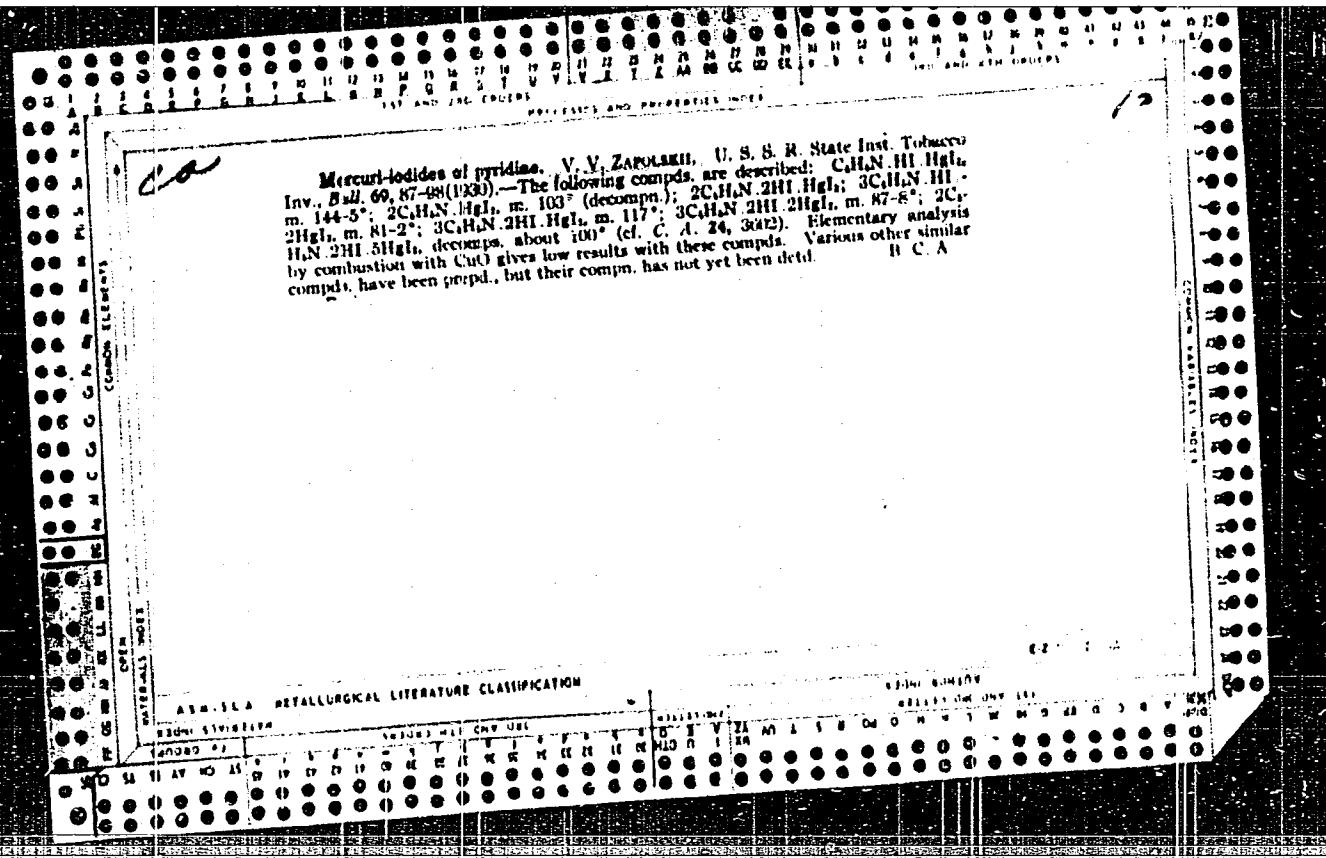
111 AND 1112 19268
DETERMINATION AND PROPERTIES INDEX

BC
E. Holmes
Determination of nicotine as $C_{10}H_{14}N_2HgI_3$. V. V. ZAIVOLSKI (U.S.S.R. State Inst. Tobacco Invest., Hull, 83, 1930, 23 pp.).--Nicotine is precipitated from alkali carbonate solution (15 or 10% solution of potassium or sodium carbonate, respectively) by means of mercuric iodide dissolved in sodium hyposulphite, the washed precipitate reduced in alkaline solution by zinc amalgam, and the iodine determined by Volhardt's method. The method is accurate in the presence of large amounts of ammonia, and of pyridine up to 0.05%.

E. Holmes

AIR-ILIA METALLURGICAL LITERATURE CLASSIFICATION

100-1000



A quantitative separation of amineal from nicotine. V. V. ZAROLANIL. State Inst. Tobacco Investigations (U. S. S. R.), Bull. 81, 87-92 (1931).—Z. modified the Longi method in deg. NH_3 in the presence of nicotine. HgI_2 was used in the train in the process of distn. It is placed in a tube with glass wool as shown in the diagram in the original. A solid compd. of nicotine forms with the HgI_2 and the NH_3 is thus freely titrated in the distillate. J. S. JORKE

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

Iodine mercury compounds of pyridine. V. V. ZAPLAKATI, State Inst. Landes-
Investigations (U. S. S. R.), Bull. 61, 113-18 [1931].—I₂HgI₂ and pyridine in boiling alc.
form the following products: 2C₆H₅N.HgI₂ and C₆H₅N.HgI. An unstable compd. of the
compa. C₆H₅N₂HgI₂ and probably C₆H₅N₂HgI were also demonstrated. Cryoscopic
measurements in benzene have shown that the compd. C₆H₅N.HgI has a normal mol.
wt. 2C₆H₅N.HgI₂ dissociates into 2 compds. Mol. wt. of this compd., by the cryoscopic
method has shown just one half of its normal mol. wt. Cf. C. A. 25, 3345.
J. S. JORV

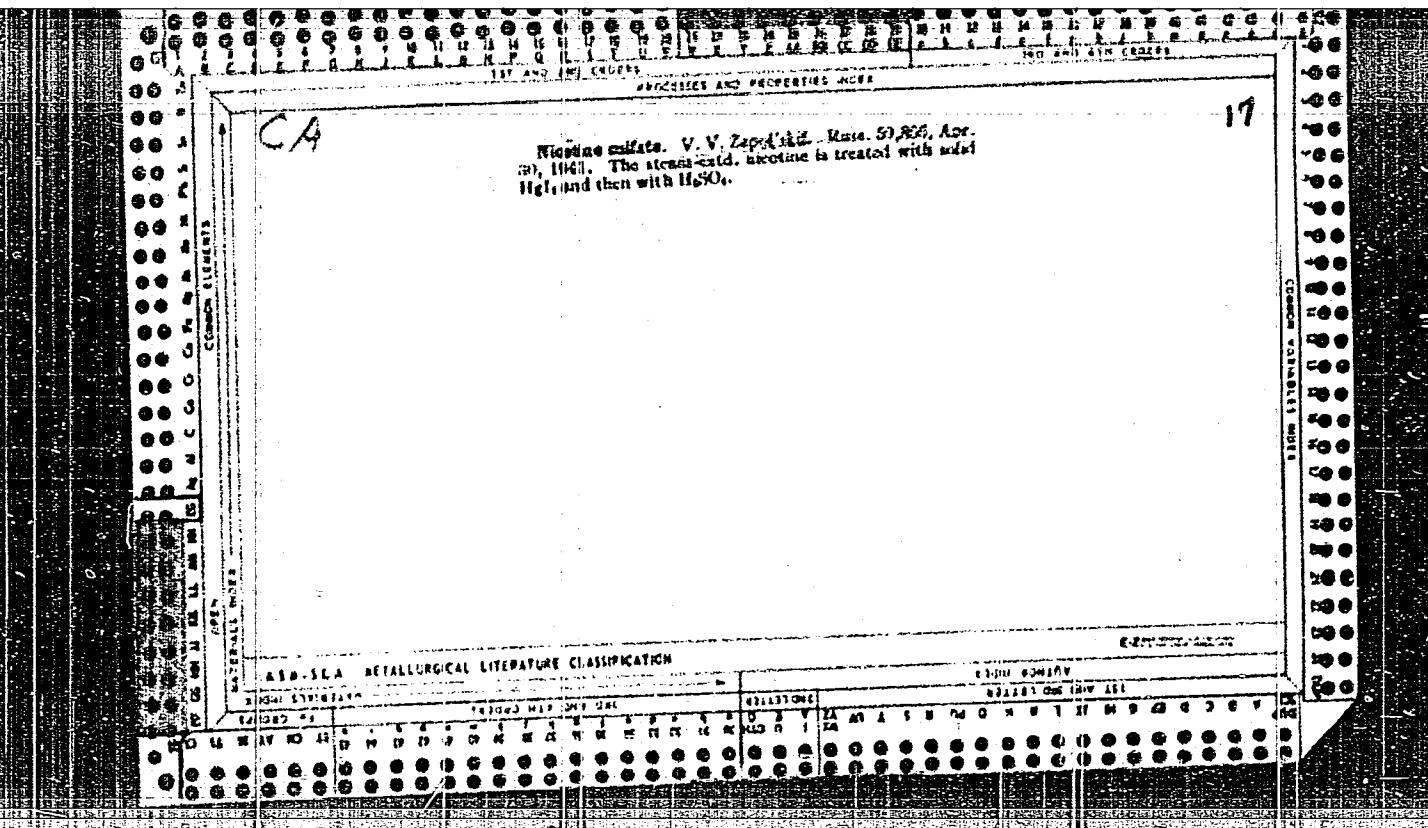
J. S. JOFFRE

ISM-1A METALLURGICAL LITERATURE CLASSIFICATION

Digitized by srujanika@gmail.com

APPROVED FOR RELEASE: 09/19/2001

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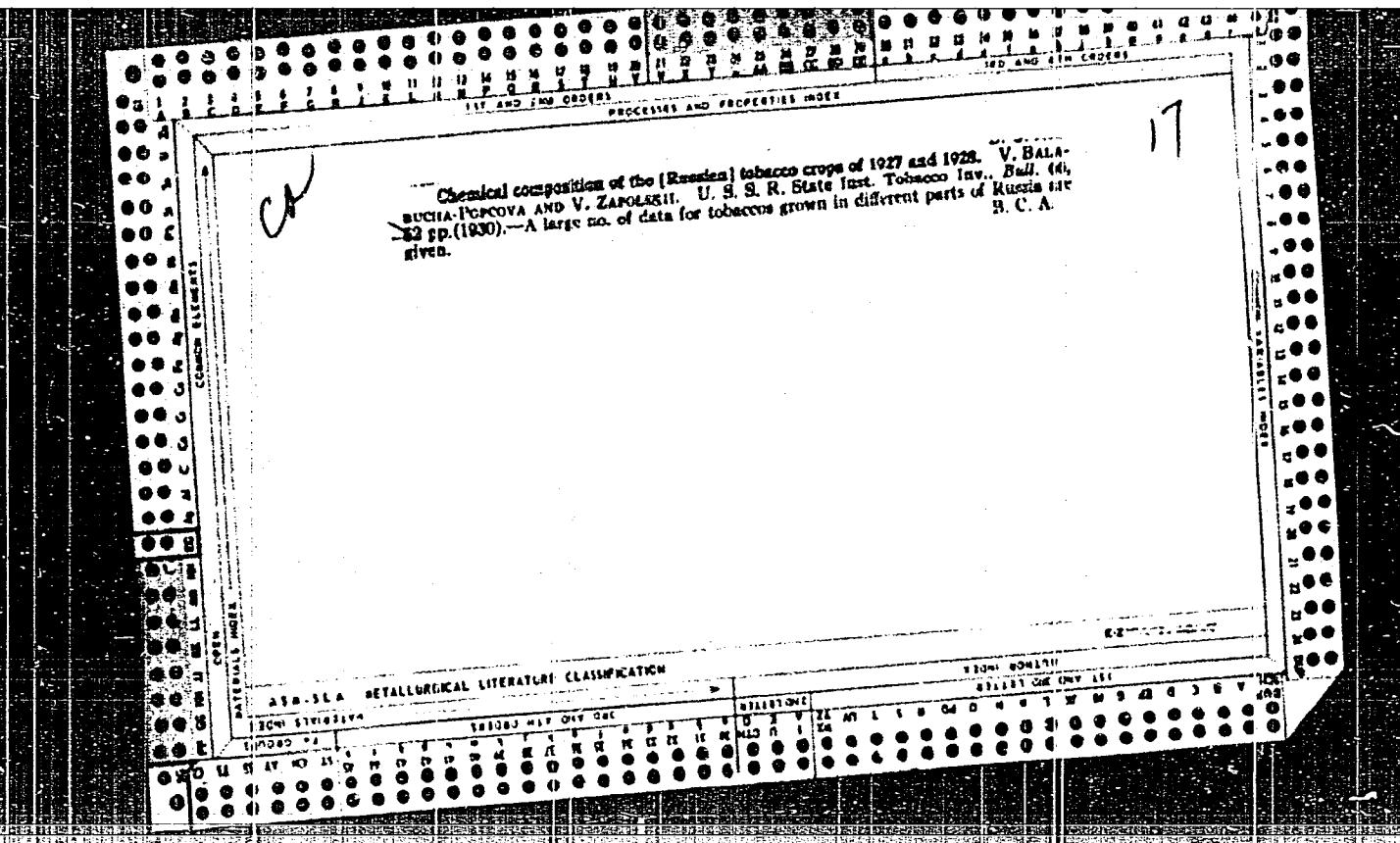


DUPLIK, Z. K. (Krivoy Rog, pos. Chkalova, ul. Nakhimova, d. 83);
ZAPOL'SKIY, V. V.

Treatment of thrombosis of the mesenteric vessels. Nov. khir.
arkh. no. 3:26-30 '62. (MIRA 15:4)

1. Po materialam khirurgicheskogo otdeleniya (zav. - zasl. vrach
UkrSSR A. Ye. Cheban) l-y Krivorozhskoy gorodskoy bol'nitsy.

(MESENTERY--BLOOD SUPPLY) (THROMBOSIS)



ZAPOL'SKIIH, M.Z.

Precision and high-speed universal attachments for small-scale production. [Ind] LOMITOMASH 24:305-325 '51.
(MIRA 8:2)

1. Mashinostroitel'nyy zavod.
(Machine tools--Accessories and attachments)

ZAPOL'SKIKH, M. Z.

USSR/Engineering - Machine tools

Card : 1/1

Authors : Zapol'skikh, M. Z.

Title : Reversible pneumatic - jigs

Periodical : Stan. i Knstr., Ed. 7, 33 - 34, July 1954

Abstract : General information is given on reversible pneumatic-jigs used on milling machines. The jigs are used for a serial production of small components; however, they can also be used for various rigging operations. Operation and structure of jigs, is described. Drawings.

Institution :

Submitted :

ZAPOL'SKIY, G.

Flights into regions contaminated by an atomic blast. Kryl.rod.
8 no.3:24 Mr '57. (MLRA 10:5)
(Atomic warfare) (Airplanes--Piloting)

ZAPOL'SKIY, I.A.; SITO, I.F.

Unwinding the cocoons of a pernyi silkworm. Tekst.prom. 17 no.2:
63-64 F '57. (MLRA 10:2)

1. Starshiy inzhener-tehnolog Kiyevskogo melkovogo kombinata (for
Zapol'skiy). 2. Nachal'nik planovogo otdela Kiyevskogo melkovogo
kombinata (for Sito).
(Silk manufacture)

AUTHORS: Zapol'skiy, K.I., Gal'perin, Ye.I., Borisevich, Ye. S. 60-29-1/14

TITLE: Mobile Experimental Low-f requence Seismic Stations
(Opytnaya peredvizhnaya nizkochastotnaya seysmicheskaya
stantsiya)

PERIODICAL: Trudy Geofizicheskogo instituta AN SSSR, 1955, Nr 29,
pp. 3-10 (USSR)

ABSTRACT: The authors describe apparatus developed to investigate multichannel registration of near earthquakes in the frequency range of 1-25 cps. The station consists of a low-frequency, 12-channel seismic unit "O/7HC" mounted on a "TAZ-51" truck. Each channel consists of a seismograph, an amplifier and a galvanometer. The general characteristics of the filter-amplifier systems and auxiliary measuring and registering instruments are described in detail. Field experiments conducted in 1950 in the area of northern Tien Shan demonstrated the effectiveness of these stations. The station may also be used to register exploratory explosions. There are 7 figures and 4 references of which 3 are USSR and 1 English.

AVAILABLE: Library of Congress
Card 1/1

ZAPOL'SKIY, N. V.

33407 Sroki Sluzhby Tsilindrovoy Vtulki Dvigatelya Vnutrennego Sgoraniya I
Tsilindra Parovoy Mashiny. (Trudy Tsentr. Nauch.-Issled. In-ta Rech. Flota,
Vyp. 4, 1949, c. 52-62

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

ZAPOL'SKIY, N. V., kandidat tekhnicheskikh nauk; BELENOVSKIY, P. N.,
inzhener.

Results of laboratory investigation on the wear resistance of
cast iron ship machinery parts. Trudy TSNIIRF no.28:73-92 '54.
(MIRA 9:1.)

(Cast iron--Testing) (Mechanical wear)

ZAPOL'SKIY, M.V.

"PK-2 and PK-2 m, electric caterpillar crane." P.I. Il'in, S.Kh.Kheifets. Reviewed by M.V.Zapol'skii. Torf.prom. 31 no.7:30 '54.
(MLRA 7:11)
(Cranes, derricks, etc.) (Il'in, P.I.) (Kheifets, S.Kh.)

ZAPOL'SKIY, M.V.; SAFRONOV, D.I.; SPITSIN, M.Ye.

The casting of steel parts without shrink head. Torf.prom.32
no.4:15-17 '55. (MLRA 8:10)

1. Ivtorfmash.
(Steel casting) (Peat machinery)

ZAPOL'SKIY, M. V.

Caterpillars (Vehicles)

"Improving technical maintenance of chair drives of excavators TE-2 and Te-2M." Torf. prom. 29 no. 7, 1952.

Monthly List of Russian Accessions Library of Congress October 1952. UNCLASSIFIED.

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPOL'SKII, M.Z.

Reversible pneumatic vises. Stan. i instr. 25 no.7-33-34 J1 '54.
(Pneumatic tools) (MLRA 7:8)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPOL'SKIY, N.V.

ZAPOL'SKIY, N.V., kandidat tekhnicheskikh nauk

Organizing ship repairs based on new principles. Rech.transp.14 no.8:
6-9 Ag '55. (MIRA 8:11)
(Ships--Maintenance and repairs)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

ZAIOL'SKIY, V.P., inzhener.

Package transport of building materials. Mekh.stroi.4 no.3:
1-3 Mr '47.
(MLRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut po organizatsii
i mekhanizatsii stroitel'stva.
(Bricks--Transportation) (Cranes, derricks, etc.)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

ZAPOLSKIY, V.P., ... RIVKIN, I.D.

Mining Engineering

Pressure of caved-in rock on ore deposits. Gor. zhur. No. 2, 1952

Monthly List of Russian Accessions, Library of Congress, April, 1952 Unclassified

RIVKIN, Isaak Davydovich; ZAPOL'SKIY, Vyacheslav Petrovich; BOGDANOV,
Petr Andreyevich; SHUSTAK, A.G., redaktor; PARTSEVSKIY, B.N.,
redaktor izdatel'stva; PETROVA, N.S., tekhnicheskiy redaktor

[Sound measuring method of observing manifestations of mine pressure
in the workings of the Krivoy Rog Basin] Zvukometricheskii metod
nablyudenija proizvlenii gornogo davlenija na shakhtakh Krivorozh-
skogo basseina. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi
i tsvetnoi metallurgii. 1956. 188 p. (MIRA 9:8)

(Krivoy Rog--Subsidence (Earth movements))
(Mining engineering)

ZAPOLYANSKIY, Ya.S., inzhener.

Efficient marking of electric incandescent lamps. Svetotekhnika 2 no.4:
28-29 Jl '56. (MIRA 9:10)

1. Elektrolampovyy zavod.

(Electric lamps, Incandescent)

ZAPOLYANSKIY, Ya.S.

AUTHOR: Zapolyanskiy, Ya.S. Engineer

28-58-2-26/41

TITLE: Ways of Increasing the Efficiency of Electric Light Bulbs
(Puti povysheniya ekonomichnosti osvetitel'nykh elektrolamp)

PERIODICAL: Standartizatsiya, 1958, Nr 2, pp 58-60 (USSR)

ABSTRACT: Basic standardization principles for common electric lighting bulbs are discussed in connection with the standard project planned for 1958. The reasoning is based on a study of the existing Soviet standard "GOST 2239-54", the standards of other countries, and the data of the Tomsk Electric Bulb Plant. It is suggested to introduce standard bulb characteristics (tables 1,2 and 3) for multi-spiral bulbs, bi-spiral argon bulbs, and by-spiral krypton bulbs; to build the system of types and sizes on the lumen scale (and not on the current consumption in watts, as before); to include into the new standard, recommendations for the application of different bulb types. There are 3 tables and 1 figure.

ASSOCIATION: Tomskiy elektrolampovy zavod (Tomsk Electric Bulb Plant)

AVAILABLE: Library of Congress

Card 1/1 1. Incandescent Lamps-Standards 2. Standardization-USSR

SOV/112-57-5-10679

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 5, p 158 (USSR)

AUTHOR: Zapolyanskiy, Ya. S.

TITLE: Light and Acoustic Signaling of Soft-Gasholder Fill (Svetovaya i zvukovaya
signalizatsiya o stepeni napolneniya myagkikh gasgol'derov)

PERIODICAL: Obmen opytom. M-vo radiotekhn. prom-sti SSSR, 1955,
Nr 8-9, pp 58-61

ABSTRACT: Bibliographic entry.

Card 1/1

Zapolyskiy Ya.S.

112-2-4176

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 2, p.234 (USSR)

AUTHOR: Zapolyskiy, Ya.S.

TITLE: A New System for Cooling Lamps at the Automatic
Evacuation Units before Filling them with Argon (Novaya
sistema okhlazhdeniya lamp na otkachnykh avtomatakh
pered napolneniyem argonom)

PERIODICAL: Inform. tekhn. M-vo radiotekhn. prom-sti SSSR, 1955,
Nr 7, pp.29-31

ABSTRACT: Bibliographic entry.

Card 1/1

ZAPOLYANSKIY, Ya.S., inzh.

Increasing the economic efficiency of electric lamps. Standartizatsiia
22 no.2:58-60 Mr~Ap '58. (MIRA 11:5)

1.Tomskiy elektrolampovyy zavod.
(Electric lamps)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPOLMANSKIY, Ya.S.

Semiautomatic machine for silvering Christmas tree ornaments.
Stek.i kar. 14 no.6:21-22 Je '57. (MIRA 10:7)
(Glass, Ornamental) (Machinery, Automatic)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPOL'ANSKIY, Ya.S.

Non-freezing water pump. Vod.i san.tekh. no.2:32-34 F '56.
(Pumping machinery) (MILRA 9:6)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

BABADZHAN, A.A.; ZHUKOVSKIY, V.M.; ZAPONOVA, K.F.; VETRENKO, Ye.A.

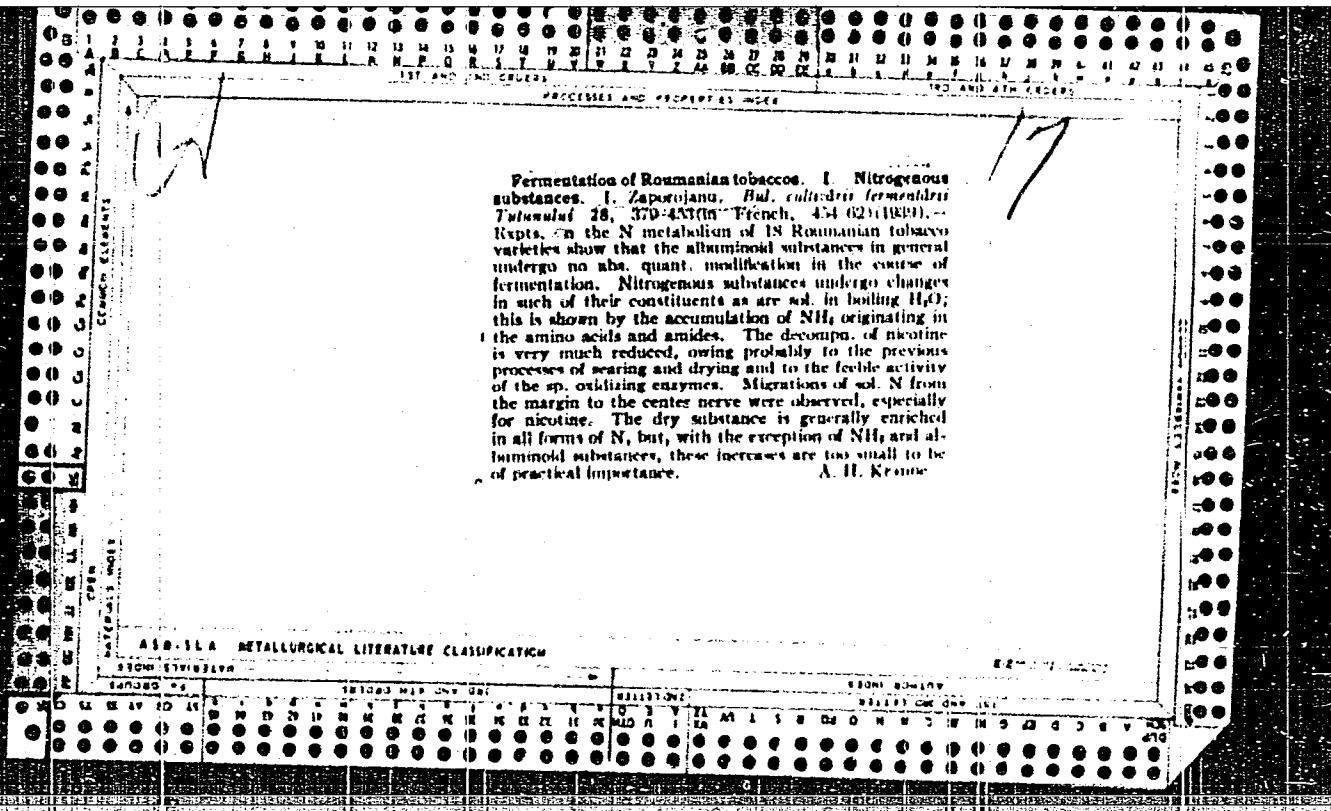
Kinetics of volatalizing zinc, lead, and certain rare elements during
the treatment of metallurgical dusts by the pyroselection method. TSvet.
met. 36 no.11:20-22 N '63. (MIRA 17:1)

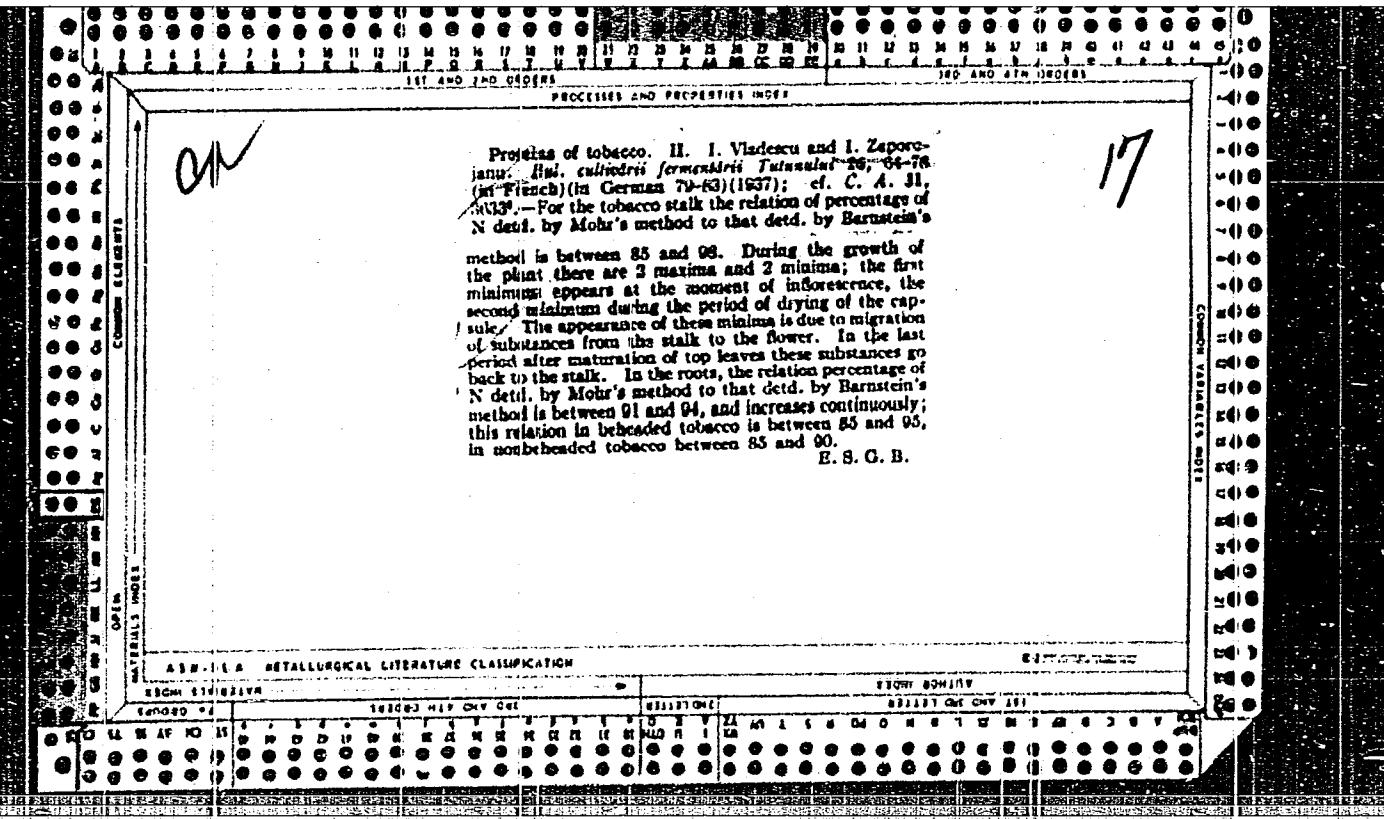
GALIMOV, M.D.; KIRR, L.D.; STEPIN, B.V.; ZAPONOVA, K.F.

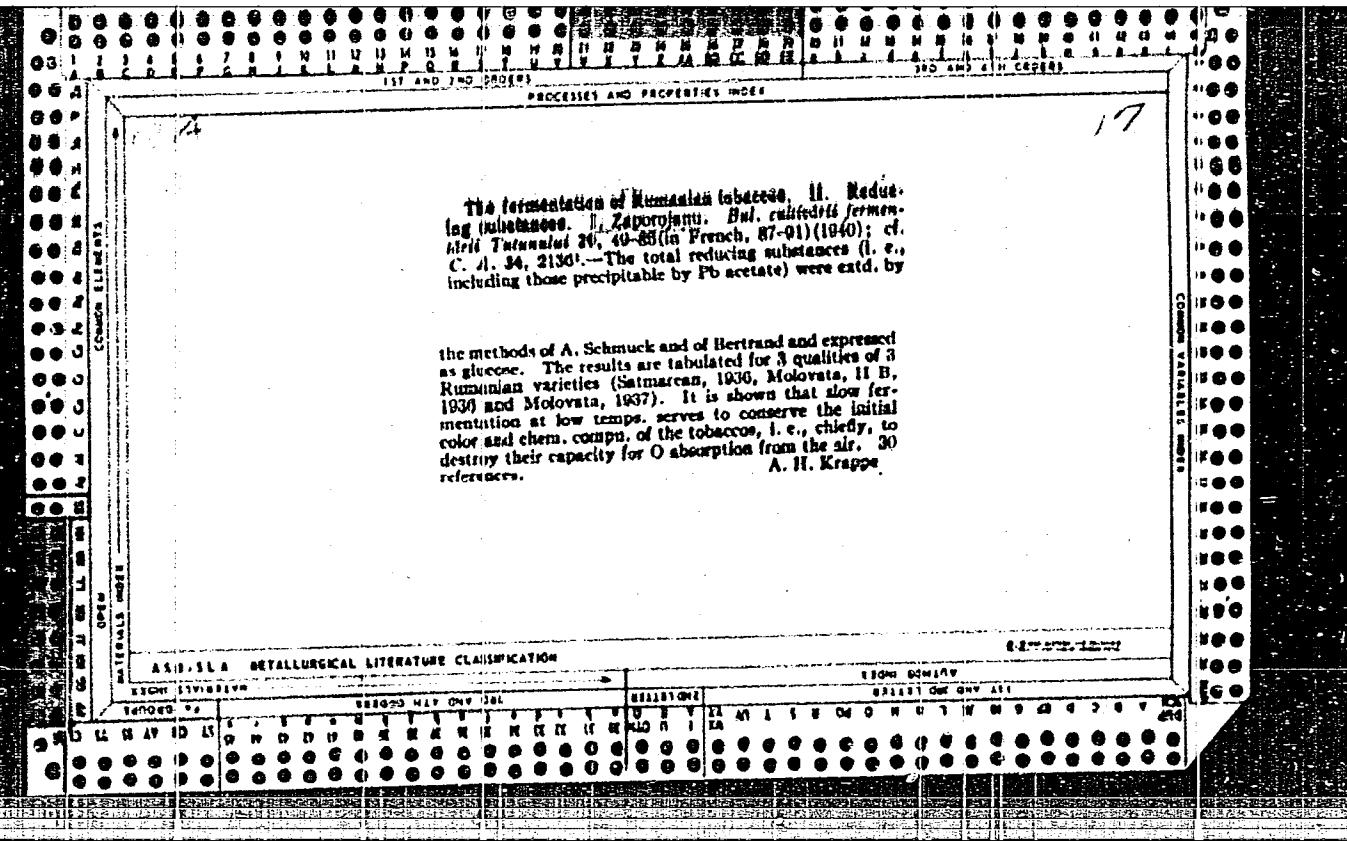
Behavior of arsenic and rare elements during the oxidizing
roasting and sulfatization of dusts and sublimates. TSvet.
met. 34 no.12:61-67 D '61. (MIRA 14:12)
(Copper industry--By-products)
(Fly ash)

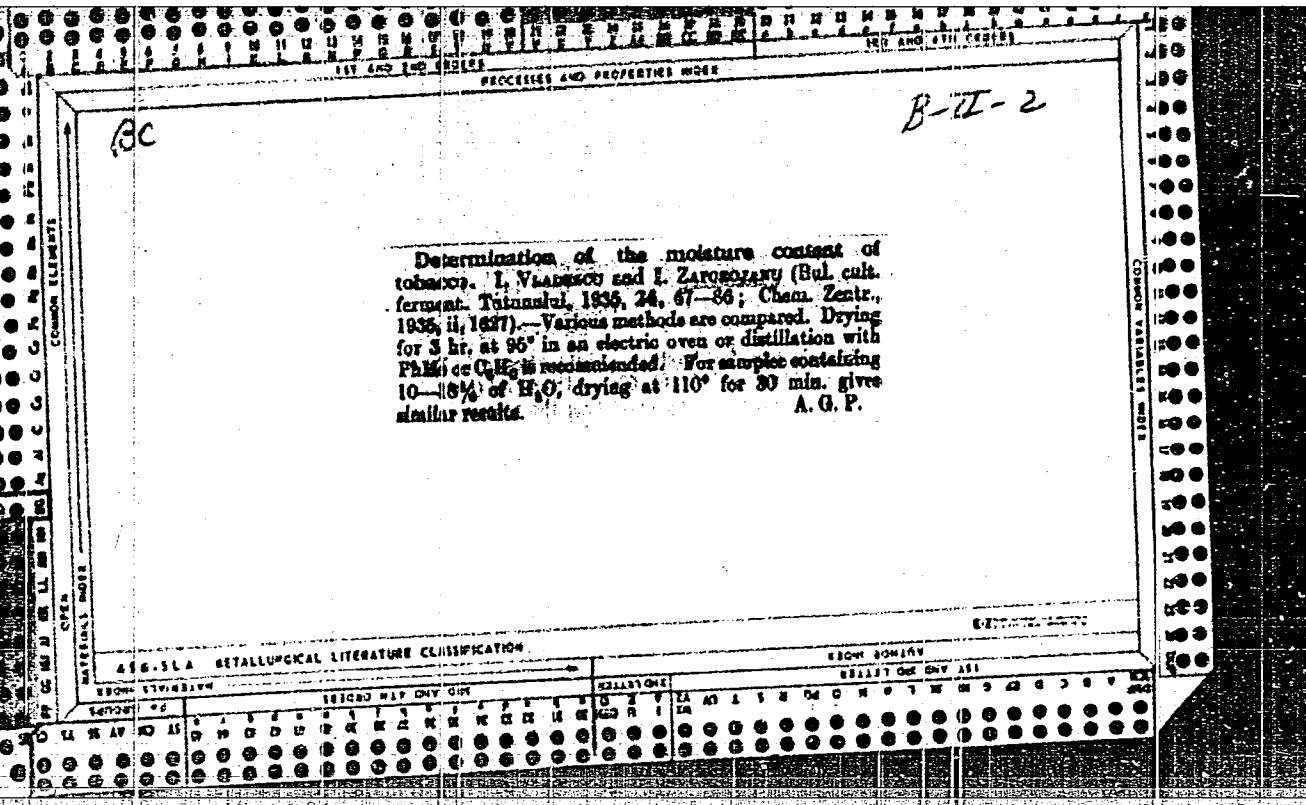
KALITSUN, V.I., inzh.; ZAPORNIKOV, V.P., inzh.

Construction of horizontal sand traps. Vod. i san. tekhn. no. 9:22-26
S '63. (MIRA 17:2)









Protein in tobacco. Bartram and Mohr's methods. I-III.
1. Vlăduțean and J. Zaporojčan (Bul. C. N. P. T. I. T. S., 1936, 18, 244—254; 1937, 18, 64—65; 1938, 27, 166—192; Čas. Zool., 1937, II, 1241—1252, 2763; 1938, II, 387).—I. When applied to tobacco leaves Bartram's method gives higher protein content value than Mohr's method. The ratio (%) of the two values is 64—59 in seeds, 70—75 in suspended tobacco, 55—59 in the leaf at the commencement of vegetat. 22—37 after ripening, and 65—69 and 94—96 in the absence of germination during heat fermentation and drying of the seeds, respectively. The ratio of protein-N by either method to total N increases with the quality of the tobacco.

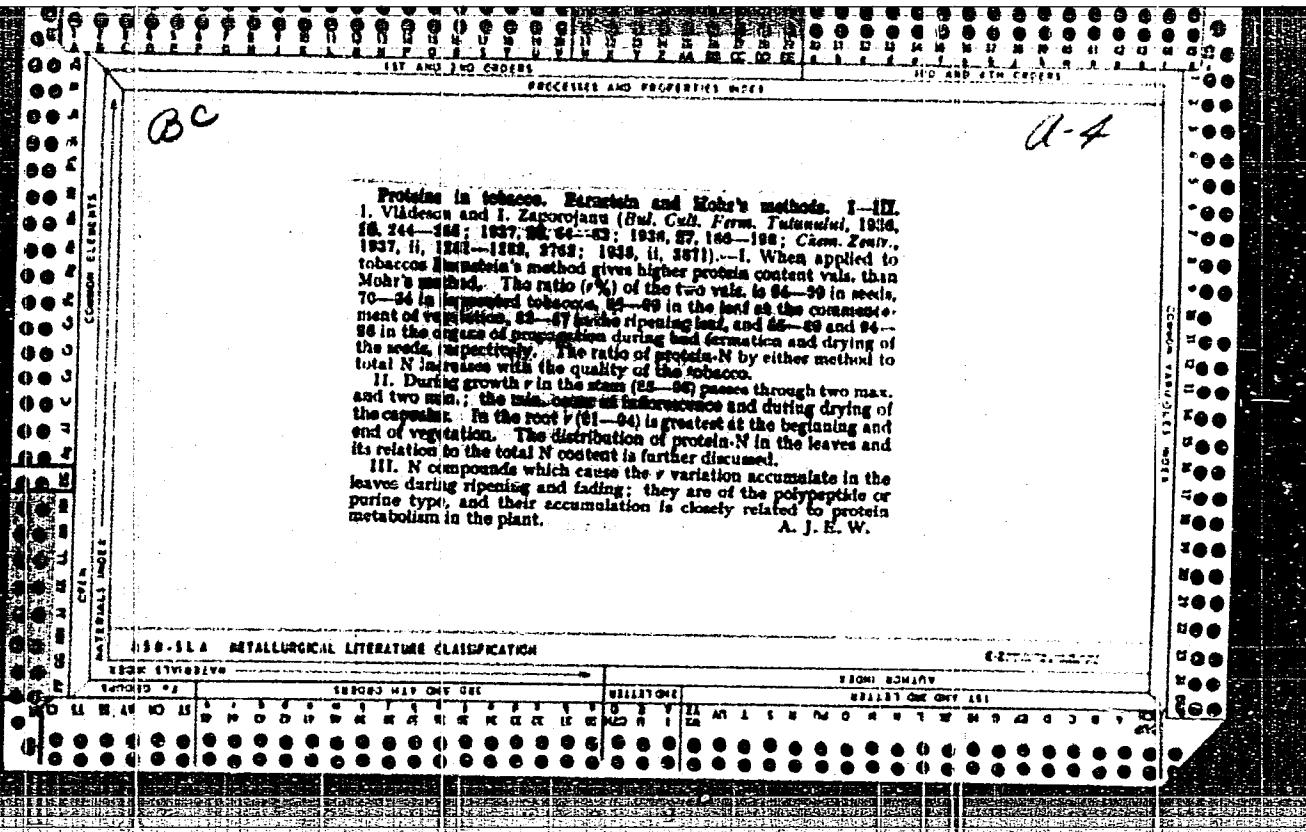
total N indicates with the quality of the tobacco.

II. During growth r in the stems (28-94) passes through two max. and two min.; the min. occurs at harvest-time and during drying of the capsules. In the root r (61-94) is greatest at the beginning and end of vegetation. The distribution of protein-N in the leaves and its relation to the total N content is further discussed.

III. Relation between the N content of the leaves and the quality of the tobacco.

III. N compounds which cause the γ variation accumulate in the leaves during ripening and fading; they are of the polypeptide or purine type, and their accumulation is closely related to protein metabolism in the plant. A. J. E. W.

A. J. E. W.



Methods for estimating total nitrogen, and their application to tobacco. I. Vlad sev and J. Zaporojani. *Bul. culturale fermentarei tuturului* 22, 373-400 (with French abstract) (1931-51) (1933).—The Forster, Jodlbauer, Gunning-Atterberg, Burgevin, Willarth, Willarth-Bittelher and Arnold methods for total N were comparatively tested on low-grade tobacco, pure nicotine and KNO_3 . The Forster method (*Chem.-Ztg.* 13, 221; 14, 1673; 23, 197) showed the max. percentage of N, the other methods failed to reduce nitric or nicotine N completely. The Gunning-Atterberg method is next best, but should be used only on tobacco poor in N.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

ZAPROCHTOV, M. N.

ZAPROCHTOV, M. N.

Place of catechin synthesis in the tea plant [with summary in English].
Fiziol. rast. 5 no.1:51-61 Ja-F '58. (MIRA 11:1)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR, Moskva.
(Tea) (Catechol)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPOROSHCHENKO, S.

"Navigational Control in an Itinerary Flight," Kryl. Rod., No.9, 1953

Summary of article D 221454, 29 Apr 55

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPOROSHCHENKO, S.

Aerial navigation of a determined course. Kryl.rod. 4 no.9:8-9 S '53.
(MLRA 6:8)
(Navigation (Aeronautics))

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6

ZAPROSCHENKO, Stepan Kirillovich; LIPOVKA, L.F., red.; GRIGOR'YEVA, A.I.,
red.; KARYAKINA, M.S., tekhn. red.

[Aeronavigation; a handbook for aviation clubs] Samoletovo-zhdenie;
posobie dlja aeroklubov. Moskva, Izd-vo DOSAAF, 1957. 199 p.
(Navigation (Aeronautics)) (MIRA 11:7)

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963810016-6"

Aircraft Navigation (Cont.)

SOV/2427

operations which the pilot has to perform on the ground during the period of preparing for flight, as well as the in-flight means and methods for successfully accomplishing flights with a prescribed itinerary. Both sections deal primarily with elementary means of air navigation, that is, air navigation by compass and landmarks with simultaneous use of a flight map. Radio aids to air navigation are discussed only to a limited extent. A brief description is given of the RPK-10 radiocompass used in conjunction with homing or broadcasting stations.

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Aircraft Navigation (Cont.)

SOV/2427

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Aircraft Navigation (Cont.)

SOV/2427

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PHASE I BOOK EXPLOITATION 466

Zaporoshchenko, Stepan Kirillovich

- Samoletovozhdeniye; posobiye dlya aeroklubov (Air Navigation; a Handbook for Flying Clubs) Moscow, Izd-vo DOSAAF, 1957. 199 p. 7,000 copies printed.

Eds.: Lipovka, L.F. and Grigor'yeva, A.I.; Tech. Ed.: Karyakina, M.S.

PURPOSE: This book is a handbook for beginning student-pilots in flight-training organizations of the DOSAAF (All-Union Voluntary Society for the Promotion of the Army, Aviation, and Navy).

COVERAGE: The author describes in simple language the theory and practice of air navigation necessary to prepare future pilots for intelligent performance of day flights with a prescribed itinerary under simple meteorological conditions. Part I describes the means and methods by which cross-country flight is carried out. Part II describes their practical application in

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the air as well as the sequence of preflight operations which the pilot must perform. The content of both parts covers only the general means of air navigation, i.e., air navigation by compass and ground orientation with the use of flight maps. Considerable space is given to navigational and piloting equipment and to flight safety. Radio navigational aids are explained only to a limited extent. A brief account is given of the use of the radio-compass (RPK-10) for flight with reference to a homing station or broadcast station. The book contains 218 figures and 7 tables. There are no references. No personalities are mentioned.

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